

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

| | | | | | |
|---|---|---|--------------------------------|---|--------------------------------|
| CONTRACTOR | | CONTRACT NO./TASK NO. | | JOB ORDER NUMBER | APPROP. FY |
| QSS Group, Inc. | | NAS5- 99124 | TASK NO. 366 | AMENDMENT | 563-740-50-14-89 2000 |
| TASK TITLE: (NTE 80 characters; include Project name) SWIFT-BAT Voltage Regulator Design | | | | | |
| APPROVALS: (Type or print name and sign) | | | | | |
| ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) | | DATE | ORG CODE | MAIL CODE | PHONE |
| Dale Brigham <i>Dale Brigham</i> | | 9/11/00 | 563 | 563 | 301-286-1140 |
| BRANCH HEAD | | DATE | CODE | CODE | PHONE |
| Marlon Enciso <i>Marlon Enciso</i> | | 9/11/00 | 563 | 563 | 301-286-5845 |
| CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) | | DATE | CODE | | PHONE |
| Robert S. Lehair, Jr. <i>Robert S. Lehair, Jr.</i> | | 9/11/00 | 560 | | 301-286-6588 |
| FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? <small>(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small> | | CONTRACTING OFFICER'S QUALITY REP. | | DESIGNATED FAM: | |
| <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Larry Moore | | | |
| The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs. | | | | (To be completed by Contracting Officer) C.O. Requested Quote on: Date: | |
| Contractor will develop specification or statement of work under this task for a future procurement. | | | | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | |
| Flight hardware will be shipped to GSFC for testing prior to final delivery. | | | | <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A | |
| Government Furnished Property/Facilities: | | | | <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only) | |
| Onsite Performance: | | | | <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*) | |
| Surveillance Plan Attached: | | | | <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | |
| Highlighted Contract Clauses: | | | | (to be completed by Contracting Officer) | |
| Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be 9/12/00. | | | | | |
| INCENTIVE FEE STRUCTURE (check one) (See Contract NAS5-99124, Attachment K, Incentive Fee Plan) | | | | | |
| | <input checked="" type="checkbox"/> No. 1 | <input type="checkbox"/> No. 2 | <input type="checkbox"/> No. 3 | <input type="checkbox"/> No. 4 | <input type="checkbox"/> No. 5 |
| Cost | 10% | 50% | 25% | 25% | % |
| Schedule | 15% | 25% | 25% | 50% | % |
| Technical | 75% | 25% | 50% | 25% | % |
| (To be completed by Contracting Officer) | | | | | |
| The target cost of this task order is \$ <u>195,026</u> . | | | | | |
| The target fee of this task order is \$ <u>1,199</u> . | | | | | |
| The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ <u>196,225</u> . | | | | | |
| The maximum fee is \$ <u>1,752</u> . | | | | | |
| The minimum fee is \$0. | | | | | |
| AUTHORIZED SIGNATURE: | | | | ELIZABETH J. AUSTIN | |
| THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS" | | | | CONTRACTING OFFICER | |
| <i>Elizabeth J. Austin</i> | | | | 10/25/00 | |
| SIGNATURE OF CONTRACTING OFFICER | | | | DATE | |
| TYPED NAME OF CONTRACTING OFFICER | | | | | |
| CONTRACTOR'S ACCEPTANCE: | | | | | |
| | | | | | |
| AUTHORIZED SIGNATURE | | | | DATE | |

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|-----------------|-----------------------|----------|-----------|
| QSS Group, Inc. | NAS5- 99124 | 366 | |

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide the necessary engineering and technician services to assist the ATR with the design and development of the SWIFT-BAT Power Converter Box.

The contractor shall:

1. Design precision voltage regulators and control circuits to the specifications provided by the ATR.
2. Provide conceptual design, schematic, parts list, Pspice modeling (as required), breadboard, testing and test report.
3. Test performance and evaluate Engineering Test Units to applicable Requirements Documents.
4. Provide written status report to the ATR on a weekly basis regarding the status of the design and testing.
5. Provide oral status report to the ATR at least twice weekly regarding the status of the design and testing.
6. Communicate with the ATR within 24 hours whenever a problem is surfaced that could affect the performance, schedule or cost.
7. Provide a monthly summary of activities to the ATR
8. Provide a written, detailed report at the completion of the breadboard testing giving test results and the design's compliance with the specifications.

Test equipment, parts, and material for breadboarding shall be GFE.

PERFORMANCE SPECIFICATIONS:

The precision voltage regulators and control circuits design shall meet the specification defined by the ATR. Analytical modeling of the circuits shall be done in Pspice.

Final Report: Technical performance will be based on thoroughness and completeness of the written report. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity.

Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

Status Reports: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.

APPLICABLE DOCUMENTS:

Evaluation and input to be based on all applicable SWIFT-BAT Performance and Verification Documents.

TASK END DATE: 9/30/01**MILESTONES/DELIVERABLES AND DATES:**

| | |
|---|-----------------------------------|
| 1. Oral Status Reports | At minimum, twice weekly to ATR |
| 2. Weekly Status Reports | Weekly to ATR |
| 3. Technical Progress Report | Monthly to ATR, 15th of the month |
| 4. Voltage regulator and related Schematics and Parts Lists | 10/13/00 10/27/00 |
| 5. Pspice Model (as required) | 11/17/00 12/1/00 |
| 6. ETU Test Results | 2/26/01 3/12/01 |
| 7. Final Test Report | 3/30/01 4/13/01 |

PERFORMANCE STANDARDS:

Schedule: On time delivery/completion of the deliverables/milestones
Technical: ATR acceptance of above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Dale Brigham, building 20, room 162